## SEQUENCE LISTING

| <110>                            |                          | s, David<br>s, Elizabet   | :h         |              |              |            |      |
|----------------------------------|--------------------------|---------------------------|------------|--------------|--------------|------------|------|
| <120>                            | TRDL                     | -1 gamma, A               | NOVEL TUMO | OR NECROSIS- | -LIKE LIGANI | )          |      |
| <130>                            | 1321                     | .2.34                     |            |              |              |            |      |
| <150><br><151>                   |                          | 57,913<br>-10 <b>-</b> 06 |            |              |              |            |      |
| <160>                            | 5                        |                           |            |              |              |            |      |
| <170> PatentIn version 3.1       |                          |                           |            |              |              |            |      |
| <210><br><211><br><212><br><213> | 1<br>1607<br>DNA<br>Homo | sapiens                   | ·          |              |              |            |      |
| <400><br>cctaatt                 | 1<br>cctc o              | ctgaggctga                | gggagggtgg | agggtctcaa   | ggcaacgctg   | qccccacqac | 60   |
|                                  |                          |                           | agtaccctta |              |              |            | 120  |
|                                  |                          |                           | ccttgcgtaa |              |              |            | 180  |
|                                  |                          |                           | cctccttgct |              |              |            | 240  |
|                                  |                          |                           | cctcatctcc |              |              |            | 300  |
|                                  |                          |                           |            |              |              |            | 360  |
|                                  |                          |                           | gagagccggc |              |              |            |      |
|                                  |                          |                           | cttgtgccat |              |              |            | 420  |
|                                  |                          |                           | gccggctgca |              |              |            | 480  |
| agggtat                          | tccc 1                   | tggcagagtc                | tcccggagca | gagttccgat   | gccctggaag   | cctgggagaa | 540  |
| tggggag                          | gaga 1                   | tcccggaaaa                | ggagagcagt | gctcacccaa   | aaacagaaga   | agcagcactc | 600  |
| tgtcctg                          | gcac (                   | ctggttccca                | ttaacgccac | ctccaaggat   | gactccgatg   | tgacagaggt | 660  |
| gatgtg                           | gcaa (                   | ccagctctta                | ggcgtgggag | aggcctacag   | gcccaaggat   | atggtgtccg | 720  |
| aatccaq                          | ggat (                   | gctggagttt                | atctgctgta | tagccaggtc   | ctgtttcaag   | acgtgacttt | 780  |
| caccat                           | gggt (                   | caggtggtgt                | ctcgagaagg | ccaaggaagg   | caggagactc   | tattccgatg | 840  |
| tataaga                          | aagt a                   | atgccctccc                | acccggaccg | ggcctacaac   | agctgctata   | gcgcaggtgt | 900  |
| cttccat                          | ttta (                   | caccaagggg                | atattctgag | tgtcataatt   | ccccgggcaa   | gggcgaaact | 960  |
| taaccto                          | ctct (                   | ccacatggaa                | ccttcctggg | actttgattt   | tacggatatc   | ttgcttctgt | 1020 |
| tccccat                          | tgga (                   | gctccgaatt                | cttgcgtgtg | tgtagatgag   | gggcggggga   | cgggcgccag | 1080 |
| gcattgt                          | ttca (                   | gacctggtcg                | gggcccactg | gaagcatcca   | gaacagcacc   | accatctagc | 1140 |
| ggccgct                          | tcga (                   | gggaagcacc                | cgccggttgg | ccgaagtcca   | cgaagccgcc   | ctctgctagg | 1200 |

| •  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| gaaaacccct ggttctccat gccacacctc tctccaggtg ccctctgcct cttcacccca                  |  |  |  |  |  |  |
| caagaagcct tatcctacgt cettetete atetategga eeccagttte eateacta                     |  |  |  |  |  |  |
| tccagagatg tagctattat gcgcccgtct acagggggtg cccgacgatg acggtgcct                   |  |  |  |  |  |  |
| cgcagtcaat ttactcttcg ggtcccaagg tttggctttc acgcgctcca ttgccccggc                  |  |  |  |  |  |  |
| gtggcaggcc attccaaggc cttccgggct ggaactggtg tcggaggagc ctcgggtgta                  |  |  |  |  |  |  |
| tegtacgece tggtgttggt gttgcctcae teetetgage tettetttet gateaagece                  |  |  |  |  |  |  |
| tgcttaaagt taaataaaat agaatgaatg ataaaaaaaa  |  |  |  |  |  |  |
| <210> 2<br><211> 247<br><212> PRT<br><213> Homo sapiens                            |  |  |  |  |  |  |
| <400> 2  |  |  |  |  |  |  |
| Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly 1 5 10 15          |  |  |  |  |  |  |
| Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp 20 25 30           |  |  |  |  |  |  |
| Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu 35 40 45           |  |  |  |  |  |  |
| Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg 50 55 60           |  |  |  |  |  |  |
| Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp 75 80              |  |  |  |  |  |  |
| Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn<br>85 90 95        |  |  |  |  |  |  |
| Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys 100 105 110        |  |  |  |  |  |  |
| Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys 115 120 125        |  |  |  |  |  |  |
| Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg 130 135 140        |  |  |  |  |  |  |
| Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala<br>145 150 155 160 |  |  |  |  |  |  |

Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe 165 170 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr 180 185 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr 195 200 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile 210 215 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro 225 230 235 His Gly Thr Phe Leu Gly Leu 245 <210> 3 <211> 15 <212> PRT <213> Artificial <220> <223> Synthetic peptide <400> 3 Cys Pro Ile Asn Ala Thr Ser Lys Asp Asp Ser Asp Val Thr Glu <210> 4 <211> 250 <212> PRT <213> Homo sapiens <400> 4 Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp

Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg 50 55 60

Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu

Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp 70 Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn 90 Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys 105 Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr Ser Lys 115 120 Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg 130 135 Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala 150 155 Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe 165 170 Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr 180 185 Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr 195 200 Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile 210 215 Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro 225 230 235 His Gly Thr Phe Leu Gly Phe Val Lys Leu 245 <210> 5 <211> 234 <212> PRT <213> Homo sapiens <400> 5

10

Met Pro Ala Ser Ser Pro Phe Leu Leu Ala Pro Lys Gly Pro Pro Gly

Asn Met Gly Gly Pro Val Arg Glu Pro Ala Leu Ser Val Ala Leu Trp 20 25 25 25 20 40 Ala Met Ala Leu Trp Leu Ser Trp Gly Ala Ala Leu Gly Ala Val Ala Cys Ala Met Ala Leu

35 40 45

Leu Thr Gln Gln Thr Glu Leu Gln Ser Leu Arg Arg Glu Val Ser Arg 50 55 60

Leu Gln Gly Thr Gly Gly Pro Ser Gln Asn Gly Glu Gly Tyr Pro Trp 75 70 80

Gln Ser Leu Pro Glu Gln Ser Ser Asp Ala Leu Glu Ala Trp Glu Asn  $85 \hspace{1.5cm} 90 \hspace{1.5cm} 95$ 

Gly Glu Arg Ser Arg Lys Arg Arg Ala Val Leu Thr Gln Lys Gln Lys 100 105 110

Asn Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu Arg Arg 115 120 125

Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln Asp Ala 130 135 140

Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val Thr Phe 145 150 155 160

Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln Glu Thr \$165\$ \$170\$ \$175\$

Leu Phe Arg Cys Ile Arg Ser Met Pro Ser His Pro Asp Arg Ala Tyr 180 185 190

Asn Ser Cys Tyr Ser Ala Gly Val Phe His Leu His Gln Gly Asp Ile 195  $\phantom{\bigg|}200\phantom{\bigg|}205\phantom{\bigg|}$ 

Leu Ser Val Ile Ile Pro Arg Ala Arg Ala Lys Leu Asn Leu Ser Pro 210 215 220

His Gly Thr Phe Leu Gly Phe Val Lys Leu 225 230